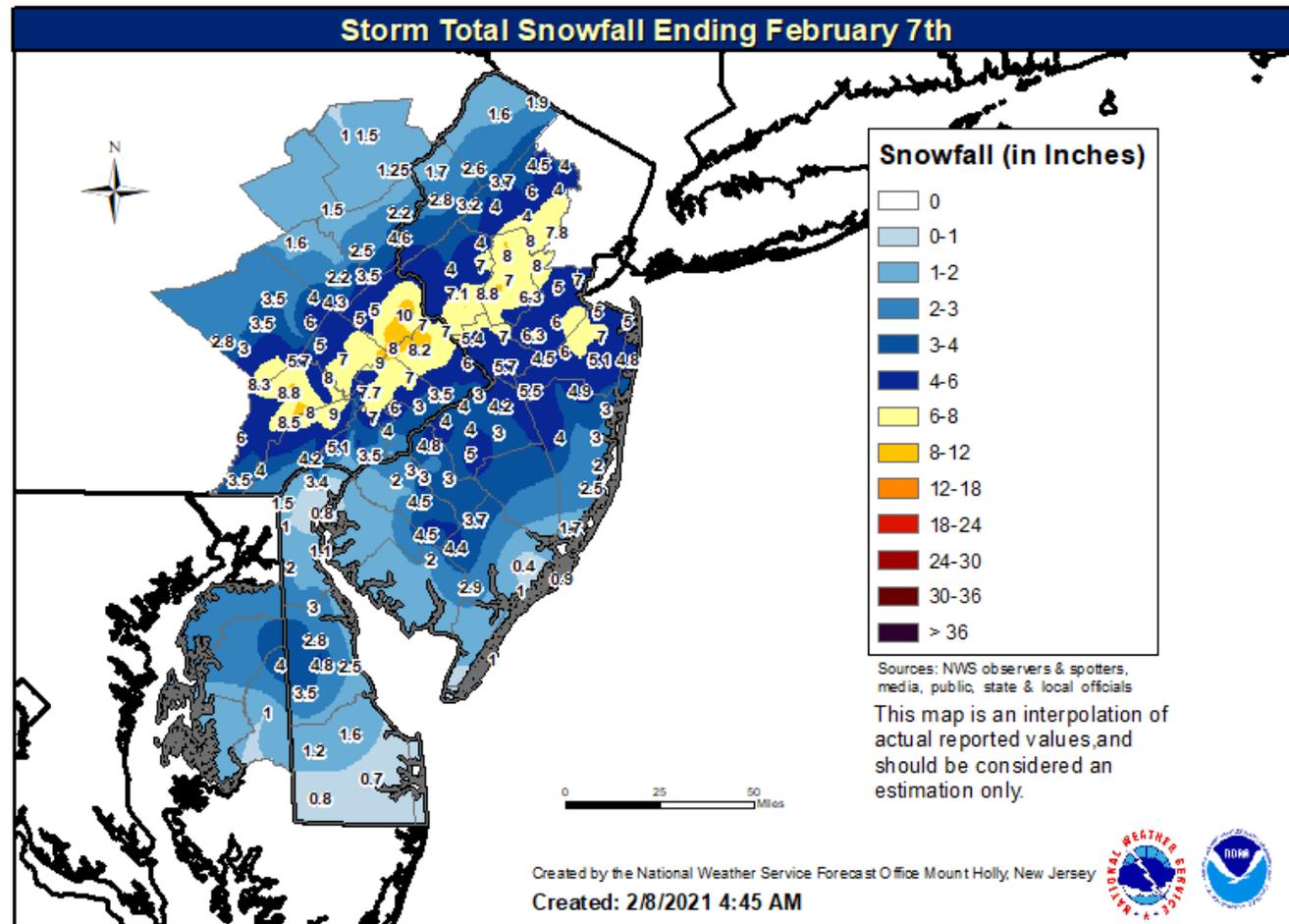


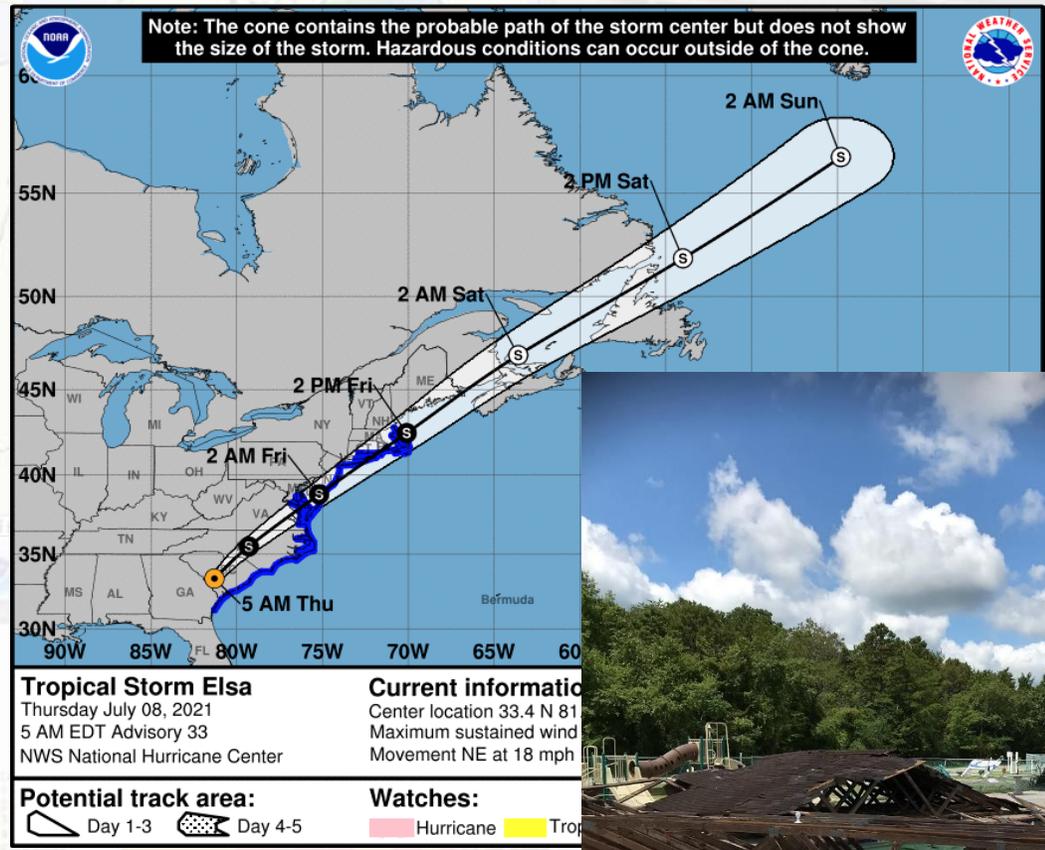
#10: February 7 Quick- Hitting Winter Storm

- Heavy band of 6-10" of snow impacted eastern PA and north-central NJ
- Most snow fell in only about 4-6 hours with localized snowfall rates over 2"/hr



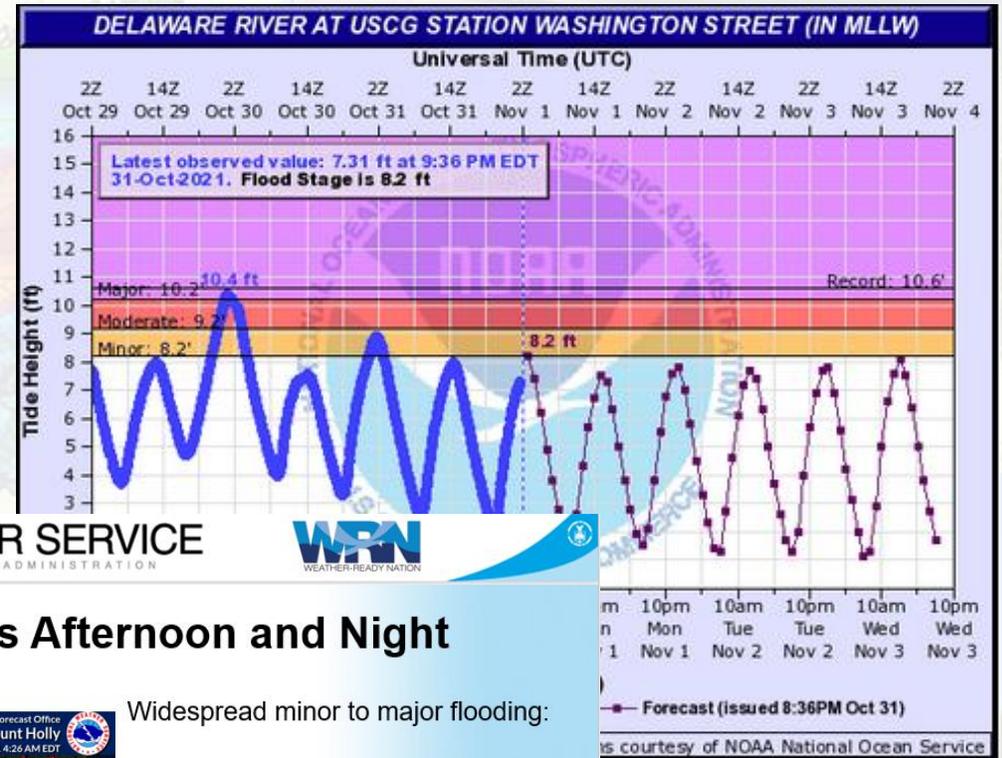
#9: Tropical Storm Elsa

- First of 4 tropical systems to affect the region this year
- Produced 2 tornadoes and other areas of wind damage in eastern NJ
- Thankfully, did not produce significant flooding

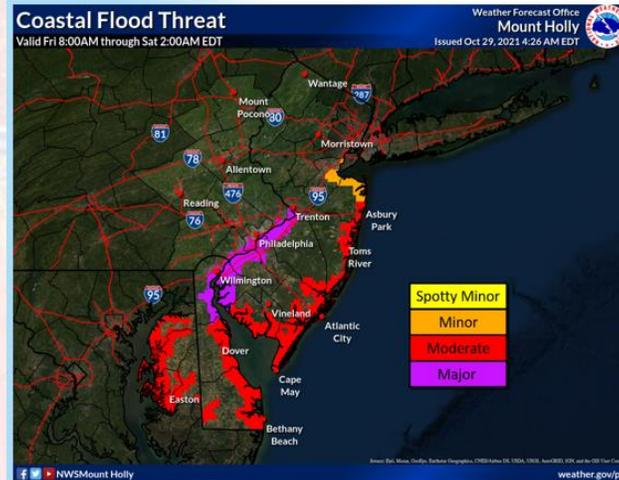


#8: Late October Tidal Floods

- Offshore storm brought moderate to major tidal flooding to many local coastal areas
- Tidal Delaware River was worst affected
- Wind gusts over 60 mph in coastal New Jersey



Tidal Flooding this Afternoon and Night



Widespread minor to major flooding:

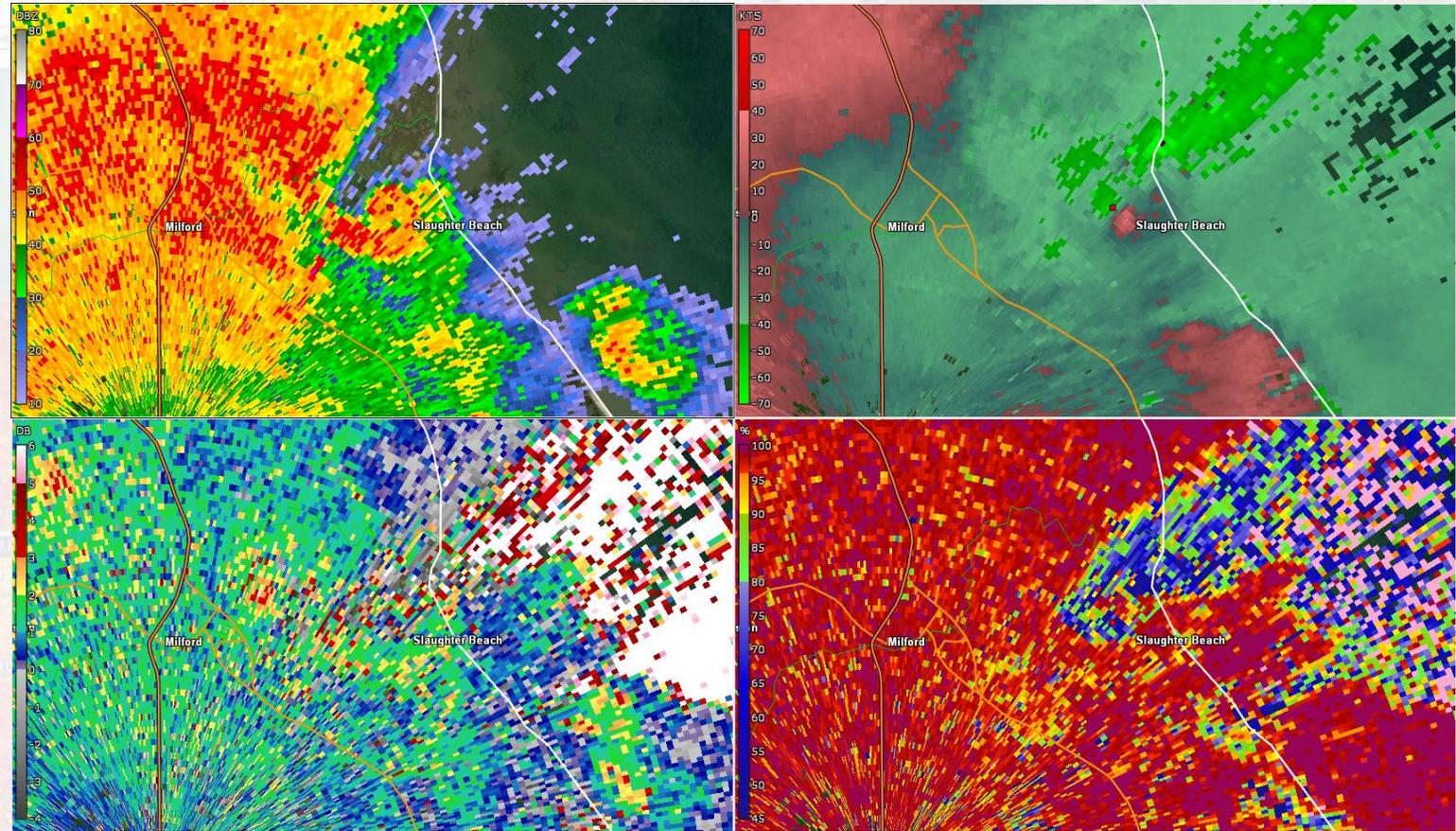
- ✓ With the high tide along the oceanfront and Delaware Bay on Friday afternoon
- ✓ With the high tide on the tidal Delaware River on Friday evening
- ✓ With the high tide on the upper eastern shore of Chesapeake Bay on Friday night

This graphic shows the potential magnitude of flooding on the oceanfront, bays and estuaries along the highlighted areas for the high tides on Friday afternoon and Friday night.



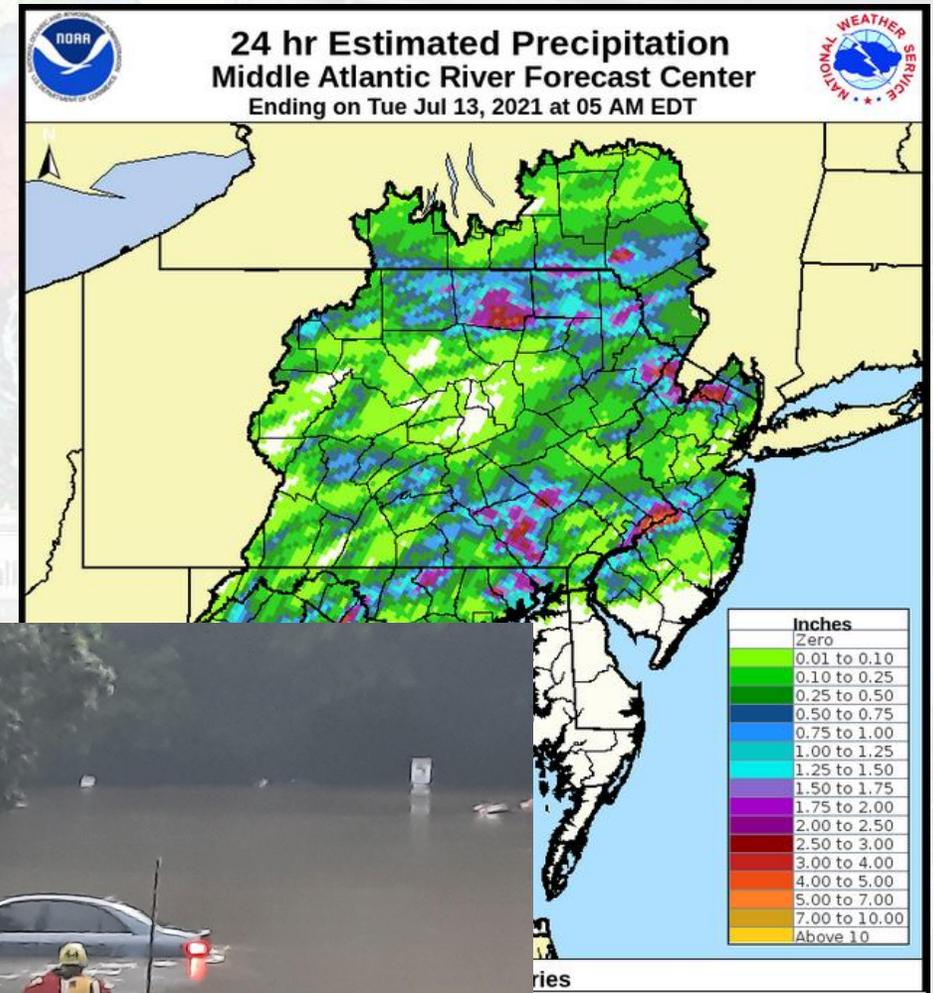
#7: July 1 Severe Weather

- Two tornadoes in southern Delaware, the regions' first tornadoes of 2021
- Measured wind gust of 80mph in close proximity to one of the tornadoes
- Widespread straight line wind damage across Delmarva, southern NJ, southeast PA



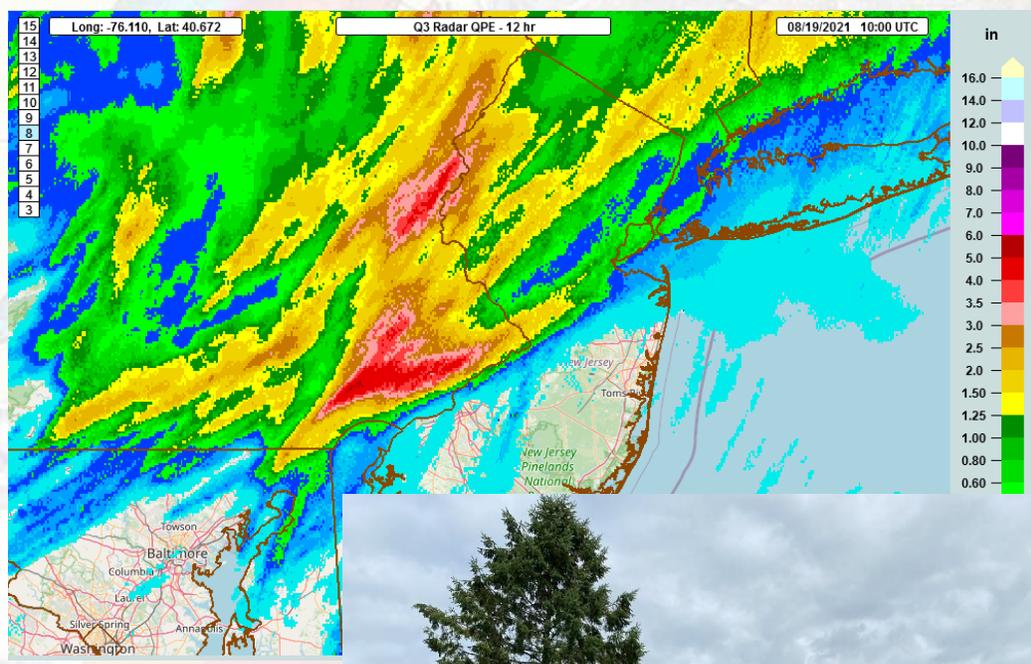
#6: July 12 Bucks County Flash Flood Emergency

- Localized but prolific thunderstorm rain event in lower Bucks and far NE Philadelphia Counties
- Up to 10 inches of rain near Croydon, PA, most of it in 3-4 hours
- Flash Flood Emergency issued, numerous rescues and evacuations
- An approximately 100 year flood for that area



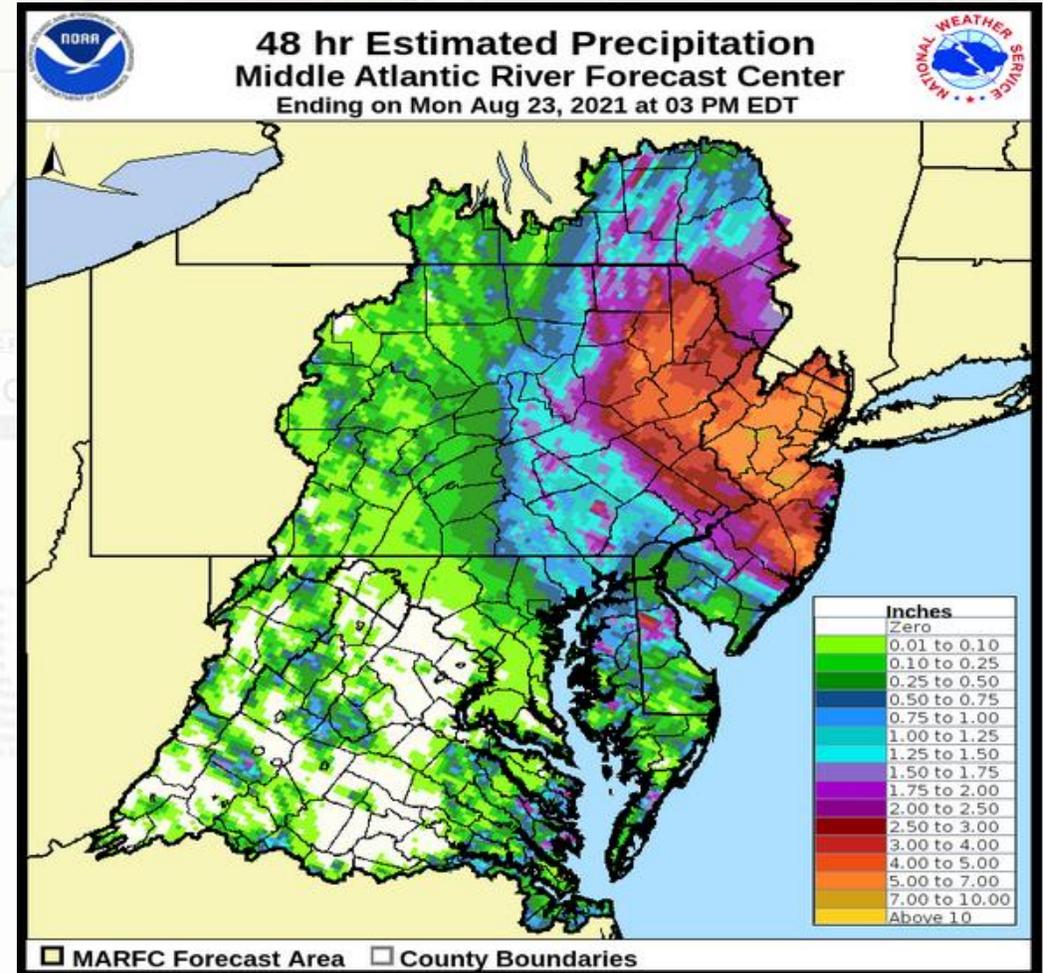
#5: Remnants of Fred Bring Flooding and Tornadoes

- Remnants of Tropical Storm Fred moved through the night of August 18
- 3 confirmed tornadoes (2 in PA, 1 in NJ)
- Significant flash flooding in southeast PA where a widespread 3-5" of rain fell



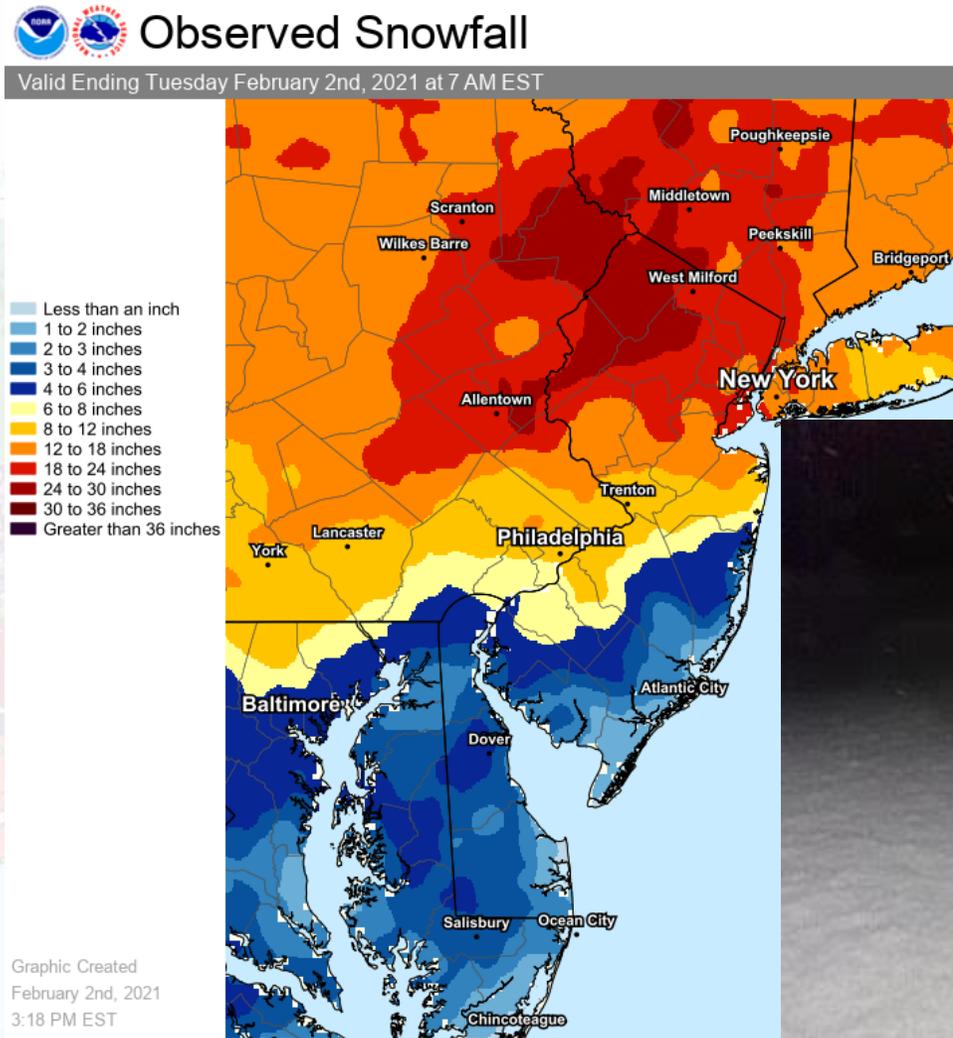
#4: Henri Brings Soaking Rain and Flooding

- Tropical Storm Henri made landfall in south coastal New England on August 22
- Interaction between Henri and a trough brought 5 to 10 inches of rain to parts of the area
- Widespread flash flooding and river flooding over northern and central NJ, barely a week before the arrival of Ida



#3: January 31-February 2 Major Winter Storm

- Long duration winter storm brought heavy snow and mixed precipitation, coastal flooding, and strong winds
- Northern and western parts of the area saw the most snow, a widespread 18-30"
- Lehigh Valley International (ABE) received 27.3"
- Heavy mixed precip in I-95 corridor



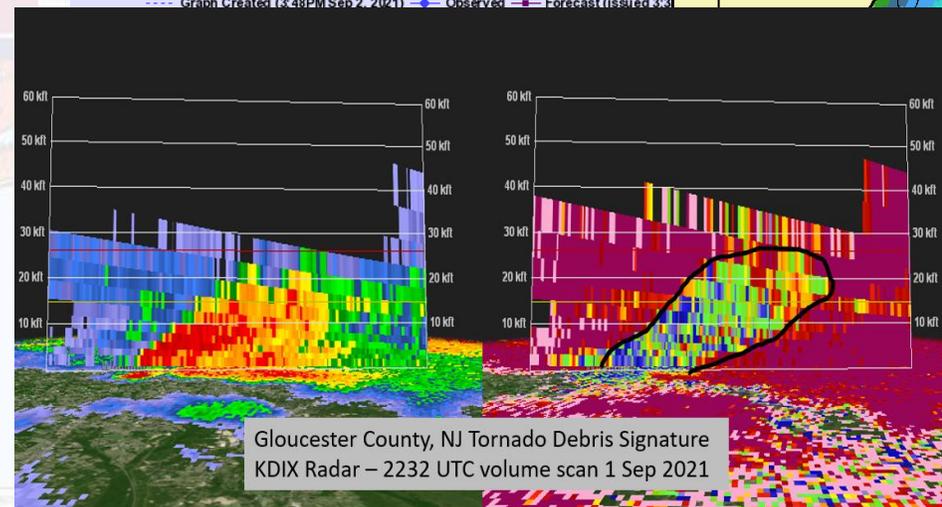
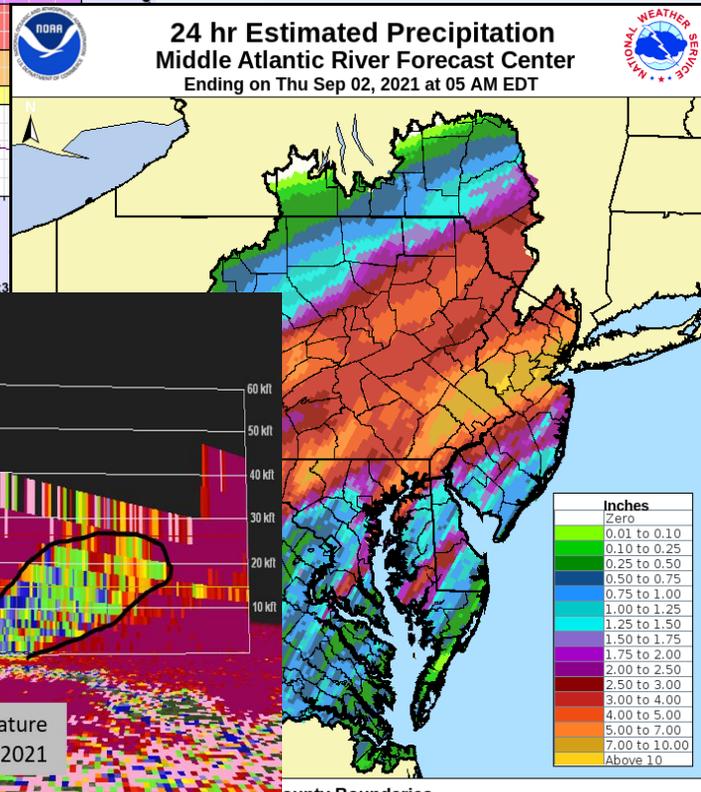
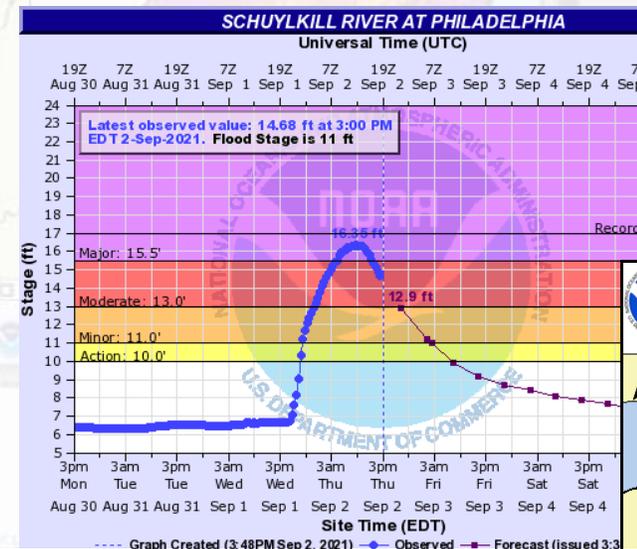
#2: July 29 Tornado Outbreak

- 10 confirmed tornadoes in our service area, largest local outbreak in modern times
- Several days of continuous storm damage surveys followed
- Tornadoes included 1 EF3 and 2 EF2's
- Also some locally significant flash flooding
- No serious injuries or fatalities



#1: Remnants of Ida Bring Historic Flooding and Tornadoes

- Hurricane Ida made a devastating Gulf Coast landfall on August 29
- Its remnants impacted our area on September 1
- Historic, catastrophic flooding event over eastern PA, northern and central NJ, widespread 6-10+ inches of rain
- 7 tornadoes including 1 EF3, 2 EF2's
- 21 confirmed fatalities in our area
- Impacts will be felt for many years



Gloucester County, NJ Tornado Debris Signature
KDIX Radar – 2232 UTC volume scan 1 Sep 2021